

Application Serial No. 08/888,057
Attorney Docket No. 000270-012

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19. (Amended) An offspring obtained according to the method of claim 2, wherein said offspring has a genotype identical to a prior-existing differentiated cell, fetus or mammal, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

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21. (Amended) A transgenic fetus obtained according to the method of claim 3, wherein said transgenic fetus has a genotype identical to a prior-existing differentiated cell, fetus or mammal except for said genetic alteration, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

22. (Amended) A transgenic offspring obtained according to the method of claim 4, wherein said transgenic offspring has a genotype identical to a prior-existing differentiated cell, fetus or mammal except for said genetic alteration, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

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26. (Amended) A fetus obtained according to the method of claim 24, wherein said fetus has a genotype identical to a prior-existing differentiated cell, fetus or mammal, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

27. (Amended) An offspring obtained according to the method of claim 25, wherein said offspring has a genotype identical to a prior-existing differentiated cell, fetus or mammal, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

Application Serial No. 08/888,057
Attorney Docket No. 000270-012

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33. (Amended) A transgenic CICM cell line obtained according to claim 32, wherein said cell line has a genotype identical to a prior-existing differentiated cell except for said genetic alteration, wherein said prior-existing cell was not created by nuclear transfer techniques.

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35. (Amended) Differentiated cells obtained by the method of claim 34, wherein said cells have a genotype identical to a prior-existing differentiated cell, and wherein said prior-existing cell was not created by nuclear transfer techniques, and wherein said prior-existing cell is of a different type.

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47. (Amended) [The method according to claim 29, which further comprises] A method of making a chimeric CICM comprising combining the cloned NT unit of claim 29 with a fertilized embryo to produce a chimera.

48. (Amended) [The method according to claim 47, which further comprises] A method of making a chimeric embryo comprising developing the chimeric CICM cell line of claim 47 to a chimeric embryo.

49. (Amended) A chimeric embryo obtained according to claim 48, wherein at least part of said embryo has a genotype identical to a prior-existing differentiated cell, fetus or mammal, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

Application Serial No. 08/888,057
Attorney Docket No. 000270-012

50. (Amended) [The method according to claim 48, which further comprises] A method of making a chimeric fetus, comprising developing the chimeric embryo of claim 48 to a chimeric fetus.

51. (Amended) A chimeric fetus obtained according to claim 50, wherein at least part of said chimeric fetus has a genotype identical to a prior-existing differentiated cell, fetus or mammal, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

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52. (Amended) [The method according to claim 50, which further comprises] A method of making a chimeric offspring comprising developing the chimeric fetus of claim 50 to a chimeric offspring.

53. (Amended) A chimeric offspring obtained according to claim 52, wherein at least part of said chimeric offspring has a genotype identical to a prior-existing differentiated cell, fetus or mammal, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

54. (Amended) [The method according to claim 47] A method of producing a genetically altered CICM cell line, wherein a desired DNA is inserted, removed or modified in [said] the differentiated pig cell or cell nucleus of claim 47, thereby resulting in the production of a genetically altered NT unit.

Application Serial No. 08/888,057
Attorney Docket No. 000270-012

55. (Amended) [The method according to claim 54, which further comprises] A method of making a genetically altered embryo comprising developing the [chimeric] genetically altered C1CM cell line of claim 54 to a [chimeric] genetically altered embryo.

56. (Amended) A [chimeric] genetically altered embryo obtained according to claim 55, wherein said genetically altered embryo has a genotype identical to a prior-existing differentiated cell, fetus or mammal except for said genetic alteration, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

57. (Amended) [The method according to claim 55, which further comprises] A method of making a genetically altered fetus comprising developing the [chimeric] genetically altered embryo to a [chimeric] genetically altered fetus.

58. (Amended) A [chimeric] genetically altered fetus obtained according to claim 57, wherein said genetically altered fetus has a genotype identical to a prior-existing differentiated cell, fetus or mammal except for said genetic alteration, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

59. (Amended) [The method according to claim 57, which further comprises] A method of making a genetically altered offspring comprising developing the [chimeric] genetically altered fetus of claim 57 to a [chimeric] genetically altered offspring.

Application Serial No. 08/888,057
Attorney Docket No. 000270-012

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60. (Amended) A [chimeric] genetically altered offspring obtained according to claim 59, wherein said genetically altered offspring has a genotype identical to a prior-existing differentiated cell, fetus or mammal except for said genetic alteration, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

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76. (Amended) A transgenic pig, wherein said pig has a genotype identical to a prior-existing differentiated cell, fetus or mammal except for said genetic alteration, wherein said prior-existing cell, fetus or mammal was not created by nuclear transfer techniques.

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78. The method according to claim ~~[45]~~ 46, wherein the pharmaceutically active protein is isolated from milk of the transgenic offspring.

Kindly add the following new claims:

--79. (New) The method of claim 1, wherein said differentiated pig cell is a proliferating cell.

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80. (New) The method of claim 79, wherein said differentiated proliferating cell has been expanded in culture.

81. (New) The method of claim 29, wherein said differentiated pig cell is a proliferating cell.